

[1st August 2001]

RAJYA SABHA

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) and (b) The Government of Karnataka (GOK) have informed that in keeping with the recommendations of the High Level Committee constituted by them, it has been accepted by the State Government that no 'Escrow' facility is available to Independent Power Producers in the State. Therefore, GOK have conveyed that they will not be able to extend 'Escrow' facility to any of the IPPs including the 1013.2 MW Mangalore Power Project being implemented by M/s Mangalore Power Company.

(c) and (d) M/s Mangalore Power Company have informed that the Indian Financial Institutions including ICICI have expressed their inability to proceed with the financing of the project in the absence of an 'Escrow' or alternative bankable security mechanism.

**Production Capacity of Power in the Country**

1155. PROF. M.M. AGARWAL: Will the Minister of POWER be pleased to state:

(a) the total production capacity of power in the country, State-wise and power plant-wise;

(b) the demand and production of power in the country during the last three years, year-wise; and

(c) the additional capacity required to meet the country's demand?

THE MINISTER OF STATE IN THE MINISTRY OF POWER

(SHRIMATI JAYAWANTI MEHTA): (a) The details of State-wise, power plants wise generation capacity are given in the statement (see below).

(c) The power supply position for the last three years is given as under:

Year	Energy Requirement (MUs)	Energy availability (MUs)	Peak Demand (MW)	Peak (MW)	Met
1998-1999	446584	420235	67905	58445	
1999-2000	480430	450594	72669	63691	
2000-2001	507216	467400	78037	67880	

(c) To meet the demand, as projected in 16th Electric Power Survey, up to the end of 11th Plan, the total capacity required to be added during 10th and 11th Plan, works out to 107000 MW approximately.



**Statement***Production Capacity of Power-Plants in the Country, State-wise*

s.	Name of the project	Name of the State	Monitored
No.			capacity (MW)
1	2	3	4
1.	Faridabad	Haryana	165
2.	Panipat	Haryana	860
3.	W. Yamuna Canal	Haryana	48
4.	Faridabad CCGT	Haryana	430
5.	Bassi	Himachal Pradesh	60
6.	Giri BATA	Himachal Pradesh	60
7.	Others	Himachal Pradesh	56.7
8.	Sanjay Bhaba	Himachal Pradesh	120
9.	Baira Siul	Himachal Pradesh	180
10.	Chamera	Himachal Pradesh	540
11.	Pampore GT	Jammu & Kashmir	175
12.	Lower Jhelam	Jammu & Kashmir	105
13.	Chenani	Jammu & Kashmir	23.8
14.	Upper Sindh	Jammu & Kashmir	22.6
15.	Others	Jammu & Kashmir	26.6
16.	Salal	Jammu & Kashmir	690
17.	Uri	Jammu & Kashmir	480
18.	Ropar	Punjab	1260
19.	GHTP (Bhatinda)	Punjab	440
20.	GHTP (Leh. Moh.)	Punjab	420
21.	U.B.D.C.	Punjab	90
22.	Shanan	Punjab	110
23.	Mukeriyian	Punjab	207
24.	A. Sahib + R. SGR	Punjab	734
25.	Kota	Rajasthan	850
26.	Ramgarh GT	Rajasthan	38.5
27.	Suratgarh	Rajasthan	500
28.	R.P. Sagar	Rajasthan	172
29.	Jawahar Sagar	Rajasthan	99
30.	Mani Bajaj	Rajasthan	140
31.	Others	Rajasthan	19
32.	Anta GT	Rajasthan	413
33.	R.A.P.S.	Rajasthan	790
34.	Obra	Uttar Pradesh	1482
35.	Panki	Uttar Pradesh	242
36.	H. Ganj B	Uttar Pradesh	425
37.	Paricha	Uttar Pradesh	220
38.	Anpara	Uttar Pradesh	1630
39.	Tanda	Uttar Pradesh	440
40.	Others	Uttar Pradesh	10
41.	Rihand	Uttar Pradesh	300
42.	Obra Hydel	Uttar Pradesh	99
43.	Ram Ganga	Uttar Pradesh	198
44.	Matatila	Uttar Pradesh	30
45.	Khatima	Uttar Pradesh	41.4



[1st August 2001]

RAJYA SABHA

1	2	3	4
46.	Ganga Canal	Uttar Pradesh	45.2
47.	Dhakrani & Sobia	Uttar Pradesh	42.8
48.	Dhalipur	Uttar Pradesh	51
49.	Kulhal	Uttar Pradesh	30
50.	Chibro	Uttar Pradesh	240
51.	Khodri	Uttar Pradesh	120
52.	Chilla	Uttar Pradesh	144
53.	Maneri Bhali	Uttar Pradesh	90
54.	Khara	Uttar Pradesh	72
55.	Singrauli	Uttar Pradesh	2000
56.	Rihand	Uttar Pradesh	1000
57.	Auraiya GT	Uttar Pradesh	652
58.	Unchahar	Uttar Pradesh	840
59.	Dadri (NCTPP)	Uttar Pradesh	840
60.	Dadri GT	Uttar Pradesh	817
61.	N.A.P.S.	Uttar Pradesh	440
62.	Tanakpur	Uttar Pradesh	120
63.	Dhuvaran	Gujarat	534
64.	Ukai	Gujarat	850
65.	Gandhi Nagar	Gujarat	870
66.	Utran	Gujarat	39
67.	Utran GT	Gujarat	144
68.	Wanakbori	Gujarat	1470
69.	Sikka Repl.	Gujarat	240
70.	Kutch Lignite	Gujarat	215
71.	Dhuvaran GT	Gujarat	54
72.	Ukai	Gujarat	305
73.	Kadana	Gujarat	240
74.	A.E. Co.	Gujarat	60
75.	Vatwa GT	Gujarat	100 330
76.	Sabarmati	Gujarat	
77.	G.I.P.C.L.	Gujarat	312
78.	G.T.E. Cor	Gujarat	655



RAJYA SABHA

[1st August 2001]

1	2	3	4
79.	Surat L. 1&2	Gujarat	250
80.	Kawas GT	Gujarat	644
81.	Gandhar GT	Gujarat	648
82.	K.A.P.S.	Gujarat	440
83.	Satpura	Madhya Pradesh	U42.5
84.	Korba-II	Madhya Pradesh	160
85.	Korba-III	Madhya Pradesh	240
86.	Korba West	Madhya Pradesh	840
87.	Amarkantak	Madhya Pradesh	50
88.	Amarkantak Extn.	Madhya Pradesh	240
89.	Sanjay Gandhi	Madhya Pradesh	840
90.	Gandhi Sagar	Madhya Pradesh	115
91.	Bargi+Hasdobango	Madhya Pradesh	210
92.	Peach	Madhya Pradesh	160
93.	Baiuagar	Madhya Pradesh	315
94.	R. Ghat+B Our.	Madhya Pradesh	65
95.	Korba STPS	Madhya Pradesh	2100
96.	Vindhyachal	Madhya Pradesh	2260
97.	Nasik	Maharashtra	910
98.	Koradi	Maharashtra	1080
99.	Khaper Kheda-U	Maharashtra	840
100.	Paras	Maharashtra	58
101.	Bhusawal	Maharashtra	478
102.	Parli	Maharashtra	690
103.	Chandrapur	Maharashtra	2340
104.	Uran GT	Maharashtra	672
105.	Uran WHRP	Maharashtra	240
106.	Koyna	Maharashtra	1420



1	2	3	4
107.	Vaiterna	Maharashtra	60
108.	Tillari	Maharashtra	60
109.	Bhira Tail Race	Maharashtra	80
110.	Others	Maharashtra	1*0.8
111.	Trombay	Maharashtra	1150
112.	Trombay GT	Maharashtra	180
113.	Dttanu	Maharashtra	500
114.	Dabhol	Maharashtra	740
115.	Khopoli	Maharashtra	72
116.	Bbivpuri	Maharashtra	72
117.	Bhira + Bhira PSS	Maharashtra	282
118.	T.A.P.S.	Maharashtra	320
119.	Kothagudem	Andhra Pradesh	1170
120.	Vijayawada	Andhra Pradesh	1260
121.	Rartugundem B	Andhra Pradesh	62.5
122.	Neltore	Andhra Pradesh	30
123.	Vijeshwaram	Andhra Pradesh	272
124.	Rayalseema	Andhra Pradesh	420
125.	Machkund	Andhra Pradesh	114.7
126.	T.B. Dam	Andhra Pradesh	72
127.	Upper Sileru	Andhra Pradesh	240
128.	Lower Sileru	Andhra Pradesh	460
129.	Nagarjuna Sagar	Andhra Pradesh	810
130.	Nagarjuna Sagar R	Andhra Pradesh	90
131.	Nagarjuna Sagar L	Andhra Pradesh	60
132.	Donkarni	Andhra Pradesh	25
133.	SrisaUam+S LBE	Andhra Pradesh	920
134.	Others	Andhra Pradesh	72



RAJYA SABHA

[1st August 2001]

1	2	3	4
135.	Ramagundam STPS	Andhra Pradesh	2100
136.	JPAD+GVAR+KONGT	Andhra Pradesh	774
137.	Raich ur	Karnataka	1260
138.	Torangallu	Karnataka	260
139.	YEL+BEL (DG+TANGT)	Karnataka	315.2
140.	Kaiga	Karnataka	440
141.	Sharavathy+GERU	Karnataka	1011
142.	JOG	Karnataka	120
143.	Kalinadi St. I	Karnataka	810
144.	Kalinadi SUPA	Karnataka	100
145.	Bhadra	Karnataka	33.2
146.	Lingnamakki	Karnataka	55
147.	Shiyasamundram	Karnataka	42
148.	Shimsha+Mallapur	Karnataka	26.2
149.	Munirabad	Karnataka	27
150.	Ghatprabha	Karnataka	32
151.	Varahi+M Dam	Karnataka	239
152.	Kodasalli	Karnataka	80
153.	Kadra (K'Nadj-II)	Karnataka	100
154.	Shivpura	Karnataka	18
155.	B' Pura DG+Kal!ada	Kerala	244
156.	Kuttiadi+Kallada	Kerala	140
157.	Sholayar	Kerala	54
158.	Poringalkuthu+LB	Kerala	48
159.	Pallivasal	Kerala	37.5
160.	Sengulam	Kerala	48
161.	Panniar	Kerala	30
162.	Nari among! am	Kerala	45



1	2	3	4
163.	Idduki	Kerala	780
164.	Sabarigiri	Kerala	300
165.	Idamalayar	Kerala	75
166.	L. Periyar+Kakkad	Kerala	230
167.	Maniyar	Kerala	4.0
168.	Cochin CCGT	Kerala	129
169.	Kayamkulam GT	Kerala	350
170.	Ennorc	Tamil Nadu	450
171.	Tuticorin	Tamil Nadu	1050
172.	Mettur	Tamil Nadu	840
173.	North Madras	Tamil Nadu	630
174.	BB+Kovi+P" NAL GT	Tamil Nadu	557.5
175.	BB+Samal DG	Tamil Nadu	305.7
176.	Nariman GT	Tamil Nadu	10
177.	Pykara+Dam	Tamil Nadu	72
178.	Moyar+L. Bhavan	Tamil Nadu	44
179.	Kundah+PAR V	Tamil Nadu	585
180.	Mettur	Tamil Nadu	240
181.	Allyar+Sathanur	Tamil Nadu	67.5
182.	Sholayar III	Tamil Nadu	95
183.	Sarkarpathy	Tamil Nadu	30
184.	Periyar	Tamil Nadu	140
185.	Surliyar	Tamil Nadu	35
186.	Papanassam	Tamil Nadu	28
187.	Kodayar MI	Tamil Nadu	100
188.	Servalar+Vagai	Tamil Nadu	26
189.	Lower Mettur	Tamil Nadu	120



RAJYA SABHA

[1st August 2001]

1	2	3	4
190.	Kadamparai	Tamil Nadu	400
191.	Neyveli	Tamil Nadu	600
192.	Neyveii M/C	Tamil Nadu	1470
193.	M.A.P.S.	Tamil Nadu	340
194.	Karaikal GT	Pondicherry	32.5
195.	Patratu	Bihar	770
196.	Barauni	Bihar	310
197.	Muzaffarpur	Bihar	220
198.	Tenughat	Bihar	420
199.	Kosi+W. Canal	Bihar	41.8
200.	Subemarekha	Bihar	130
201.	Kahalgaon	Bihar	840
202.	Chandrapura	D.V.C.	750
203.	Durgapur	D.V.C.	350
204.	Bokaro	D.V.C.	805
205.	Mejia	D.V.C.	630
206.	Maithon GT	D.V.C.	90
207.	Panchet	D.V.C.	80
208.	Tillaiya	D.V.C.	4
209.	Maithon	D.V.C.	60
210.	lb Valley	Orissa	420
211.	Balimela	Orissa	360
212.	Hirakud	Orissa	307.5
213.	Rengali	Orissa	250
214.	U. Kolab	Orissa	320
215.	Indravati	Orissa	450
216.	Takher	Orissa	460
217.	Telcher STPS	Orissa	1000



1	2	3	4
218.	Bandel	West Bengal	530
219.	Santhaldih	West Bengal	480
220.	Gas Turbine	West Bengal	100
221.	Kolaghat	West Bengal	1260
222.	Bakreswar	West Bengal	630
223.	D.P.L.	West Bengal	390
224.	Mulajore	West Bengal	60
225.	New Cossipore	West Bengal	130
226.	Titagarh	West Bengal	240
227.	Southern Repl.	West Bengal	135
228.	Budgebudge	West Bengal	500
229.	Farakka STPS	West Bengal	1600
230.	Rangeet + S HY.	Sikkim	74
231.	Chandrapur	Assam	60
232.	Namrup	Assam	30
233.	Namrup WH	Assam	22
234.	Namrup G.T.	Assam	81.5
235.	Bongaigaon	Assam	240
236.	Turbines+DLF	Assam	171
237.	Kathalguri NEEPCO	Assam	291.0
238.	Agartala NEEPCO	Assam	84
239.	Loktak	Manipur	105
240.	Kyrdemkulai	Meghalaya	60
241.	Umiam	Meghalaya	114.0
242.	Umtru	Meghalaya	11.2
243.	Khondong	Meghalaya	50
244.	Kopili + Doyang	Meghalaya	275.0



1	2	3	4
245.	Tago	Ar Pr	4.5
246.	Gas Turbine	Tripura	64.5
247.	Gumti	Tripura	15

#### **Electrification of villages through renewable energy sources**

1156. SHRI S. RAMACHANDRAN PILLAI: Will the Minister of POWER be pleased to state:

(a) whether Government have fixed a goal of generating 10 per cent share in the additional power generation by the year 2012 which would work out to 10,000 MW;

(b) whether Government have also devised an action plan to electrify 80,000 villages over the next seven years through renewable energy sources; and

(c) if so, what steps are being taken to achieve both the targets?

THE MINISTER OF STATE IN THE MINISTRY OF POWER (SHRIMATI JAYAWANTI MEHTA): (a) to (c) Based on the findings of the 16th Electric Power Survey, it has been estimated that an additional capacity of 1,07,000 MW is required to be added by 2012 to meet the energy requirement of 975 BUs. The Ministry of Non-Conventional Energy Sources have prepared a Draft Renewable Energy Policy Statement which envisages 10% or 10,000 MW of the additional planned capacity to come from non-conventional energy sources by the year 2012.

There are about 79,000 villages as on 1.4.2001 which remain to be electrified in the country. Out of this, about 18,000 villages are in remote and in difficult areas. The Ministry of Non-Conventional Energy Sources proposes to implement a programme for electrification of villages in remote and difficult areas in the country